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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/017,554	12/14/2001	Do-Jun Park	678-698(P9780)	8136
28249	7590	11/15/2006	EXAMINER	
DILWORTH & BARRESE, LLP 333 EARLE OVINGTON BLVD. UNIONDALE, NY 11553			BLOUNT, STEVEN	
			ART UNIT	PAPER NUMBER
			2616	

DATE MAILED: 11/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/017,554

Applicant(s)

PARK ET AL.

Examiner

Steven Blount

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 11 September 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1 - 18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11 - 18 is/are allowed.
- 6) ☒ Claim(s) 1 - 4 is/are rejected.
- 7) ☒ Claim(s) 5 - 10 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☒ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. 1.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/7/06 has been entered.
2. Claims 1-4 are rejected under 35 U.S.C. 103(a) as being obvious over U.S. patent number 6,631,122 to Arunachalam et al in view of U.S. patent number 6,606,311 to Wang et al.

Regarding claim 1; Arunachalam teaches a method of providing a packet call service via an Internet Protocol (IP) based network in a wireless mobile communication system, comprising the steps of: constructing a set of service primitive information including radio channel assignment information in accordance with at least one service class for the packet call service (see Fig. 6, col. 8, lines 13-46); determining a service primitive combination according to a service class of a packet call based on the constructed service primitive information, if a packet call for at least one mobile terminal is generated (see col. 8, lines 47-53); assigning a predetermined forward channel and a predetermined reverse channel (see col. 6, lines 1-51, CDMA 2000 standard means including a predetermined forward channel and a predetermined reverse channel) to the at least one mobile terminal the predetermined forward channel and a predetermined reverse channel corresponding to the determined service primitive combination (see col 6, lines 1-12); and providing the at least one mobile terminal with the packet call service by using the assigned forward channel and assigned reverse channel (see

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col.5 line 36-to-col. 6, lines 51). Arunachalam et al does not, however, teach assigning the primitive combination to both the forward and reverse channels. This is explicitly taught in Wang. See col 5 lines 10+ and note the similarity between the Wang and Arunachalam et al references. It would have been obvious to one of ordinary skill in the art at the time of the invention to have assigned the primitives to both the forward and reverse channels in Arunachalam et al, in light of the teachings of Wang et al, in order to provide the communication channel with means for high QOS duplex communication.

Regarding claim 2; Arunachalam teaches the method of claim 1, wherein the service primitive combination is determined on the basis of service class information of the packet call received from the IP network (see col. 8, lines 54-67).

Regarding claim 3; Arunachalam teaches the method of claim 2, wherein the service class information of the packet call is input by a user of the at least one mobile terminal (see col. 6, lines 1 - 12, and col. 11, lines 8-30).

Regarding claim 4; Arunachalam teaches the method of claim 1, wherein the service primitive information includes radio channel assignment information for an interactive call (see col. 5 lines 35-53).


3. Claims 5 – 10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten to include the limitations of the base claim and any intervening claims. Claims 11 – 18 are allowed.


4. In order to expedite prosecution, the examiner believes that the applicant should consider the pertinence of the Wang et al (6606311) reference and the Immonen et al (7006472) reference, both standing alone.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Blount whose telephone number is 571-272-3071. The examiner can normally be reached on M-F 9:00 - -5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, To Doris can be reached on 571-272-7269. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SB  
  
10/31/06



**WELLINGTON CHIN**  
**SUPERVISORY PATENT EXAMINER**